

Colorado River Basin Regional Water Quality Control Board

NEW RIVER AT THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA AUGUST 2021 WATER QUALITY DATA

FIELD MEASUREMENTS

DATE	TIME	TEMP	PH	D.O.	SPECIFIC CONDUCTIVITY
(MM/DD/YY)	(HH:MM)	(°C) ¹		(mg/L) ²	(μ S/cm) ³
08/18/21	NR ⁴	NR	NR	NR	NR

FIELD OBSERVATIONS

08/18/21 NR

BACTERIAL ANALYSIS

BABCOCK LABORATORIES, INC. IN RIVERSIDE, CA

DATE	TIME	FECAL COLIFORM
(MM/DD/YY)	(HH:MM)	(MPN/100 ML) ⁵
08/18/21	09:33	>16,000 ⁶ (1:10 dilution)
08/18/21	09:35	>16,000 (1:10 dilution)
08/18/21	09:32	54,000 (1:100 dilution)
08/18/21	09:34	160,000 (1:100 dilution)

¹ Water temperature is reported in units of degrees Celsius (°C).

² Dissolved oxygen (D.O.) is reported in units of milligrams per liter.

³ Specific conductivity is reported in units of microSiemens per centimeter.

⁴ Field measurements and observations are not reported (NR). Field notebook lost.

⁵ Fecal coliform is reported in units of Most Probable Number (MPN) per 100 milliliters.

⁶ Fecal coliform is greater than the upper reporting limit.

CHEMICAL ANALYSIS

BABCOCK LABORATORIES, INC. IN RIVERSIDE, CA

DATE	CONSTITUENT	METHOD	REPORTING LIMIT	CONCENTRATION (mg/L) ⁷
08/18/21	Ammonia as Nitrogen	SM 4500 NH3 HG	0.5	10
08/18/21	Ammonia as Nitrogen	SM 4500 NH3 HG	0.5	10
08/18/21	Total Kjeldahl Nitrogen	EPA 351.2	1	13
08/18/21	Total Kjeldahl Nitrogen	EPA 351.2	1	13
08/18/21	Total Phosphorus	SM 4500-P BE	0.25	3.3
08/18/21	Total Phosphorus	SM 4500-P BE	0.25	2.7
08/18/21	Total Suspended Solids	SM 2540 D	2	24
08/18/21	BOD ⁸	SM 5210 B	5	15
08/18/21	BOD	SM 5210 B	5	14
08/18/21	Arsenic	EPA 200.8	0.002	0.01
08/18/21	Arsenic	EPA 200.8	0.002	0.01
08/18/21	Selenium	EPA 200.8	0.001	0.009
08/18/21	Selenium	EPA 200.8	0.001	0.009

⁷ The concentrations are reported in units of milligrams per liter.

⁸ Biochemical Oxygen Demand.